

III. Amendment to the Claims:

Please amend the claims as set forth below. All amendment is supported by the specification and, thus, no new matter is presented. Please cancel Claims 1-39, amend Claims 40-47 as set forth below, and enter new claims 54-58 as set forth below. After entry of this amendment, Claims 40-58 will be pending in this application.

Claims 1-39 (canceled).

40. (Currently Amended) A method for providing analysis of a physical activity comprising:  
receiving data provided by a head motion sensing apparatus pertaining to a user's head motion during the physical activity;

enabling a user to uploading the data pertaining to the user's head motion during the physical activity through a communications network onto a processor based device;

enabling an evaluator to access the data pertaining to the user's head motion and evaluate the user's performance of the physical activity;

and

communicating[[,]] to the user[[;]] the evaluator's analysis of the data pertaining to the user's head motion.

41. (Currently Amended) The method of claim 40, wherein the evaluator comprises software executed on the processor based device for evaluating the user's performance of the physical activity based on the data provided by the head motion sensing apparatus. further comprising:

collecting the data pertaining to the user's head motion using a head motion sensing apparatus.

42. (Currently Amended) The method of claim 40, wherein the evaluator comprises a person who evaluates the user's performance of the physical activity based on the data provided by the head motion sensing apparatus. ~~the step of enabling a user to upload data further comprises:~~

~~—— enabling the user to upload data to a processor based device that is connected to a network of processor based devices.~~

43. (Currently Amended) The method of claim ~~40~~ 42, wherein the communications network ~~of processor based devices further~~ comprises the Internet.

44. (Currently Amended) The method of claim 40, further comprising the step of deriving preferred head motion parameter data based on one or more instances of uploaded data provided by a head motion sensing apparatus pertaining to a user's head motion during the physical activity. ~~wherein the step of enabling an evaluator to access the data further comprises:~~

~~—— enabling the evaluator to access the data pertaining to the user's head motion via a network of processor based devices.~~

45. (Currently Amended) The method of claim 44, wherein the derived preferred head motion parameter data is subsequently used by a processor that provides the user local feedback on subsequent performance of the physical activity. ~~the network of processor based devices further comprises the Internet.~~

46. (Currently Amended) The method claim 40, wherein the step of communicating the evaluator's analysis further comprises:

communicating the evaluator's analysis via the communications network ~~a network of processor based devices.~~

47. (Currently Amended) The method of claim 46, wherein the communications network ~~of processor based devices further~~ comprises the Internet.

48. (Original) The method of claim 40, wherein the physical activity is golf.
49. (Original) The method of claim 40, wherein the physical activity is batting.
50. (Original) A data collection unit capable of receiving a signal from an input device and storing the signals in a digital format, the data collection unit comprising:
- an input channel for receiving input from a sensor;
  - a set point sensor for sensing a set point event that indicates a transition in a data collection process;
  - a data storage device for storing data corresponding to the input received at the input channel;
  - an interface for uploading the stored data to a processor device.
51. (Original) The data collection unit of claim 50, further comprising:
- a remote display.
52. (Original) The data collection unit of claim 50, wherein the set point sensor further comprises:
- a microphone for sensing an audible set point event.
53. (Original) The data collection unit of claim 50, wherein the sensor further comprises:
- a gyroscopic sensor;
  - a accelerometer sensor; and
  - a housing that houses the gyroscopic sensor and the accelerometer sensor.
54. (New) An integrated computer-based head motion training device for evaluating performance of a repetitive physical activity, comprising:

a processor for receiving sensed head motion measurement data, evaluating the data based on predetermined head motion parameters, and providing a feedback based on the evaluation;

an output device comprising at least one of a display and speaker for providing the feedback to the user;

a user interface for enabling the user to input selection of parameters related to the physical act;

wherein the physical activity is a golf swing and the user selection includes selection of a club type or swing type; and

interface means for communicating data stored in the head motion training device to a separate computer device.

55. (New) The integrated computer-based head motion training device of claim 54, wherein the user selection further comprises selection of a skill level.

56. (New) The integrated computer-based head motion training device of claim 54, wherein the user selection further comprises selection of the type of feedback that should be provided.

57. (New) The integrated computer-based head motion training device of claim 54, wherein the data from the head motion training device is communicated to the separate computer device through a public communications network.

58. (New) An integrated computer-based head motion training device for evaluating performance of a repetitive physical activity, comprising:

a processor for receiving sensed head motion measurement data, evaluating the data based on predetermined head motion parameters, and providing a feedback based on the evaluation;

an output device comprising at least one of a display and speaker for providing the feedback to the user;

a user interface for enabling the user to input selection of parameters related to the physical act;

wherein the physical activity is a bat swing and the user selection includes selection at least one of a pitch type, pitch speed, and a pitch location; and

interface means for communicating data stored in the head motion training device to a separate computer device.